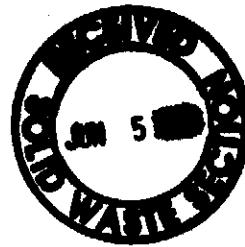




5400 Glenwood Avenue, Suite 300
Raleigh, North Carolina 27612
tel: 919 787-5620
fax: 919 781-5730

June 3, 2008



Ms. Jaclynne Drummond
Compliance Hydrogeologist
North Carolina Department of Environment and
Natural Resources – Division of Waste Management
Solid Waste Section
401 Oberlin Road, Suite 150
Raleigh, North Carolina 27699-1646

Subject: Henderson County Closed Stoney Mountain Road Sanitary Landfill
Additional Groundwater Assessment

Dear Ms. Drummond:

The purpose of this letter is to notify the Solid Waste Section (SWS) that CDM, on behalf of Henderson County, has completed the additional groundwater assessment at the Henderson County Closed Stoney Mountain Road Sanitary Landfill. As discussed in the workplan, the additional assessment included installation and sampling of two down-gradient monitoring wells (AMW-2s, and AMW-2d) and sampling of additional down-gradient wells outside of the approved monitoring network (MW-1, MW-1 Old, and MW-2 Old). MW-2 was found to be damaged and no sample was collected. Field activities, sampling results and recommendations are discussed below.

Well Installation

SAEDACCO, Inc. installed the wells on April 2, 2008 under supervision of a CDM geologist. The wells were drilled with a Gus Pech drill rig, utilizing hollow stem and air rotary drilling methods. The shallow well (AMW-2s) was drilled to a depth of 22 feet below land surface (bls) and screened in overburden. The deep well (AMW-2d) was drilled to a depth of 80 feet below land surface and is screened in shallow fractured bedrock. Bedrock was encountered at 63 feet bls.

Both wells were constructed of 2-inch schedule 40 PVC with 10 to 15 feet of 0.010-inch slotted screen. The deep well was constructed with a 6-inch Schedule 40 PVC surface casing from land surface to 66 feet bls. Boring logs with well construction diagrams and well construction records (Form GW-1a) are attached.

Ms. Jaclynne Drummond
June 3, 2008
Page 2

Following installation, each well was developed and completed with an above grade steel protective riser and a 2-feet by 2-feet by 6-inch concrete pad. The wells were surveyed to State Plane coordinates by a registered land surveyor. Monitoring well locations are provided on Figure 1.

Sample Collection

Prior to sample collection, water level data was collected from each well. In addition, water levels were collected from the wells that are part of the approved monitoring well network for the site (MW-5, MW-6, MW-7, MW-8, MW-9, AMW-1s, and AMW-1d). Water levels collected on April 2 and 3, 2008 were used to construct the potentiometric contours provided on Figure 1.

Groundwater samples were collected from the new wells (AMW-2s/2d) and the existing wells (MW-1, MW-1 Old, and MW-2 Old) with a disposable Teflon bailer on April 4, 2008 and submitted to SGS Laboratories in Wilmington, North Carolina for analysis of North Carolina Appendix I VOC's plus naphthalene by EPA Method 8260, Appendix I Metals plus mercury, and Phenols by EPA Method 8270.

Field parameters including pH, temperature, conductivity, and turbidity were recorded for each well volume removed and during sample collection. Field recordings and water level data are provided on Table 1. Table 2 provides a summary of all detected and estimated compound concentrations for the additional assessment wells. For the purpose of this report, only detections above the reporting limits are discussed below. Estimated or "J" values are those that are above the method detection limit, but below the reporting limit. Table 3 provides a summary of the existing data to date for the approved monitoring well network for comparison.

Newly installed assessment well AMW-2s had detections of benzene, chlorobenzene, cobalt and zinc. The reported benzene concentration exceeded the North Carolina 2L Standard (NC2L).

Newly installed assessment well AMW-2d had detections of arsenic, lead and zinc below their respective NC2L. No VOC were detected above the reporting limits.

MW-1 Old had detections of chlorobenzene, lead, mercury, and zinc. The concentrations of lead and mercury exceeded their respective NC2L.

All VOC were below detection limits in the sample from MW-1. Zinc was the only metal detected above reporting limits.

Ms. Jaclynne Drummond
June 3, 2008
Page 3

MW-2 Old had detections of cis-1, 2-dichloroethene, mercury, and zinc above their respective reporting limits. The concentration of mercury exceeded the NC2L.

Phenols were not detected in any of the samples collected from these wells.

Conclusions and Recommendations

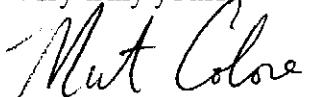
Based on the sampling results from this additional assessment, it appears that contaminants exceeding the NC2L standard have migrated beyond the existing monitoring well network. The results indicate that contamination is limited to the shallow aquifer in the down-gradient wells at or near the property line. A review of the current and historic groundwater elevation data from the nested well pairs indicates that there is generally a slight to moderate upward gradient from the deeper down-gradient bedrock wells to their shallower counterparts, which may indicate that the drainage features to the west and south act as hydraulic barriers to prevent further contaminant migration.

CDM recommends that the new wells AMW-2s and AMW-2d be included in the regular semi-annual sampling events at the landfill beginning in the fall 2008 in order to monitor the contaminant trends in the shallow and deep aquifers at the property line.

Using the information collected from this investigation, Henderson County will move forward with the next step in the assessment process; the Assessment of Corrective Measures.

If you have any questions or need additional information, please call me.

Very truly yours,



Mathew F. Colone, P.G.
Camp Dresser & McKee

cc: Marcus Jones, Henderson County
Bob Brosoie, P.G., CDM
Martin Sanford, P.E., CDM



Table 1

Field Measurements
Henderson County Closed Stoney Mountain Road Sanitary Landfill
Additional Groundwater Assessment

Monitoring Well	Date	TOC Elevation (msl)	GW Elevation (msl)	Well Depth (btoc)	Field Parameters		
					pH	Temperature (C)	Conductivity (mS/cm)
Old MW-1	2/27/2001	2206.4	2200.53	20.7	6.85	15.5	92
	4/3/2008		2200.38	11.28	5.86		270
MW-1	2/27/2001	2206.8	2200.21	70.2	7.01	14.8	85
	4/4/2008		2201.44		6.27	14.01	209
Old MW-2	2/27/2001	2182.1	2173.83	20.6	6.58	13.7	81
	4/4/2008		2173.66		5.91	14.28	153
MW-2	2/27/2001	2182.8	2174.05	67.6	6.64	13.2	101
	4/4/2008		NM			Well Damaged - Unable to Sample	
AMW-2	4/4/2008	2177.66	2169.45	25	6.24	13.01	243
AMW-2d	4/4/2008	2177.58	2173.22	83	7.35	15.3	140

Table 2
Detected Constituents in Groundwater
Henderson County Closed Stoney Mountain Road Sanitary Landfill
Additional Groundwater Assessment

			Detected VOC Constituents by EPA Method 8260 (ug/L)																		
Monitoring Well	Date	NC2L (ug/l)	Benzene			Chlorobenzene			,1,4-dichlorobenzenes			,1,2-dichlorobenzenes			Cis-1,2-dichloroethane			Methylene Chloride			
			Chloroethene	1,2-dichloroethene	1,4-dichlorobenzenes	1,2-dichloropropane	1,2-dichloroethane	1,2-dichloroethane	1,2-dichloroethane	1,2-dichloroethane	1,2-dichloroethane	1,2-dichloroethane	1,2-dichloroethane	1,2-dichloroethane	1,2-dichloroethane	1,2-dichloroethane	Vinyl Chloride	Trichloroethylene	Toluene	Terachloroethylene	Trichloroethene
Old MW-1	2/27/2001	<5	50	24	1.4	70	70	0.51	4.6	21	0.7	1000	2.8	0.015	530						
Old MW-1	4/3/2008	0.460J	3.44	0.680J	1.52J	1.29J	0.770J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-1	2/27/2001	<5	ND	<5	<5	ND	ND	ND	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<10	<5
Old MW-2	2/27/2001	<5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-2	4/4/2008	0.880J	1.42J	0.390J	1.04J	3.87J	5.43	0.350J	ND	0.550J	ND	0.650J	0.280J	0.850J	0.640J	0.710J	ND	ND	ND	ND	ND
AMW-2	4/4/2008	1.28	4.5	0.270J	2.11J	0.980J	1.85J	ND	0.120J	ND	ND	ND	ND	ND	ND	ND	ND	0.300J	0.590J	ND	ND
AMW-2d	4/4/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND - Not detected (below Method Detection Limit)

J - Estimated value (between Method Detection Limit and Reporting Limit)

			Detected Metals																			
Monitoring Well	Date	NC2L (ug/l)	Arsenic			Beryllium			Cadmium			Chromium			Copper			Lead				
			Antimony	Boron	Cesium	Beryllium	Chromium	Cadmium	Chromium	Cobalt	Copper	Lead	Copper	Lead	Copper	Lead	Silver	Selenium	Sulfur	Vanadium	Zinc	
Old MW-1	2/27/2001	<10	<500	<2	<1	<10	<10	<200	<10	10.6B	18.5	10.6B	10.6B	10.6B	10.6B	10.6B	ND	ND	<20	<10	<40	
MW-1	2/27/2001	<10	<500	<2	<1	<10	<10	<200	<10	ND	1.05	<0.3	<0.3	<0.3	<0.3	<0.3	ND	ND	ND	ND	<50	
Old MW-2	2/27/2001	<10	<500	<2	<1	<10	<10	<200	<10	ND	4.68J	4.68J	4.68J	4.68J	4.68J	4.68J	4.68J	ND	ND	ND	ND	
MW-2	2/27/2001	<10	<500	<2	<1	<10	<10	<200	<10	ND	9.07JB	6.18J	3.06	3.06	3.06	3.06	3.06	ND	ND	ND	ND	
AMW-2	4/4/2008	3.64J	44.3JB	ND	ND	4.18JB	12.5	5.89JB	6.16J	ND	5.89J	9.54JB	1.48JB	1.48JB	1.48JB	1.48JB	ND	ND	ND	ND	ND	
AMW-2d	4/4/2008	10.5	39.4JB	2.33B	ND	130B	ND	10.6B	12.5	ND	7.09J	7.51JB	ND	5.13J	5.13J	5.13J	5.13J	ND	ND	ND	ND	ND

Notes:

ND - Not detected (below Method Detection Limit)

J - Estimated value (between Method Detection Limit and Reporting Limit)

B - Amount in Prep Blank > Method Detection Limit

Table 3a
Detected Groundwater Constituents - Metals
Stoney Mountain Road Landfill
Hendersonville, North Carolina

Table 3a
Detected Groundwater Constituents - Metals
Stoney Mountain Road Landfill
Hendersonville, North Carolina

Table 3b
Detected Constituents - Volatile Organic Compounds

Table 3b
Detected Constituents - Volatile Organic Compounds
Stoney Mountain Road Landfill
Hendersonville, North Carolina

Table 3b
Detected Constituents - Volatile Organic Compounds

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All values are in micrograms per liter (ugarts per billion).

Shaded area indicates concentration exceeds NC2 Standard

NS = No Standard
NA = Not Analyzed

NA = Not Analyzed

THE JOURNAL OF CLIMATE

Groundwater Protection Standard

All remaining semi-variable parameters were below detection

WW-9 was not sampled during the May 2005 sampling event due



SGS ENVIRONMENTAL SERVICES, INC.

Mr. Dan Forbes
Camp, Dresser & McKee
5400 Glenwood Avenue
Suite 300
Raleigh NC 27612
Report Number: G175-626

Client Project: Henderson County Additional Assessment

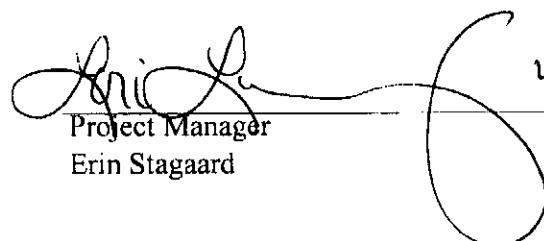
Dear Mr. Forbes:

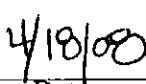
Enclosed are the results of the analytical services performed under the referenced project. The samples are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or the services performed during this project, please call SGS at (910) 350-1903. We will be happy to answer any questions or concerns which you may have.

Thank you for using SGS Environmental Services for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,
SGS Environmental Services, Inc.


Project Manager
Erin Stagaard


Date

List of Reporting Abbreviations and Data Qualifiers

B = Compound also detected in batch blank

BQL = Below Quantitation Limit (RL or MDL)

DF = Dilution Factor

Dup = Duplicate

D = Detected, but RPD is > 40% between results in dual column method.

E = Estimated concentration, exceeds calibration range.

J = Estimated concentration, below calibration range and above MDL

LCS(D) = Laboratory Control Spike (Duplicate)

MDL = Method Detection Limit

MS(D) = Matrix Spike (Duplicate)

PQL = Practical Quantitation Limit

RL = Reporting Limit

RPD = Relative Percent Difference

mg/kg = milligram per kilogram, ppm, parts per million

ug/kg = micrograms per kilogram, ppb, parts per billion

mg/L = milligram per liter, ppm, parts per million

ug/L = micrograms per liter, ppb, parts per billion

% Rec = Percent Recovery

% solids = Percent Solids

Special Notes:

- 1) Metals and mercury samples are digested with a hot block, see the standard operating procedure document for details.
- 2) Uncertainty for all reported data is less than or equal to 30 percent.

**Results for Volatiles
by GCMS 8260 Appendix I**

Client Sample ID: MW-1 Old

Client Project ID: Henderson County Additional Assessment

Lab Sample ID: G175-626-1A

Lab Project ID: G175-626

Analyzed By: MJC

Date Collected: 4/3/2008 15:30

Date Received: 4/5/2008

Matrix: Water

Sample Amount: 5 mL

Compound	Result UG/L	SWL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	100	1.09	1	4/12/2008	
Acrylonitrile	BQL	200	6.02	1	4/12/2008	
Benzene	0.460	1.00	0.0800	1	4/12/2008	
Bromochloromethane	BQL	3.00	0.261	1	4/12/2008	
Bromodichloromethane	BQL	1.00	0.146	1	4/12/2008	
Bromoform	BQL	3.00	0.275	1	4/12/2008	
Bromomethane	BQL	5.50	0.261	1	4/12/2008	
2-butanone	BQL	51.0	1.53	1	4/12/2008	
Carbon disulfide	BQL	51.0	0.0630	1	4/12/2008	
Carbon tetrachloride	BQL	5.50	0.102	1	4/12/2008	
Chlorobenzene	3.44	3.00	0.0720	1	4/12/2008	
Chloroethane	BQL	5.50	0.568	1	4/12/2008	
Chloroform	BQL	3.00	0.121	1	4/12/2008	
Chloromethane	BQL	5.50	0.206	1	4/12/2008	
Dibromochloromethane	BQL	3.00	0.124	1	4/12/2008	
1,2-Dibromo-3-chloropropane	BQL	13.0	0.900	1	4/12/2008	
Dibromomethane	BQL	5.50	0.199	1	4/12/2008	
1,2-Dibromoethane	BQL	1.00	0.120	1	4/12/2008	
1,2-Dichlorobenzene	0.680	3.00	0.116	1	4/12/2008	J
1,3-Dichlorobenzene	BQL	3.00	0.173	1	4/12/2008	
1,4-Dichlorobenzene	1.52	3.00	0.157	1	4/12/2008	J
t-1,4-Dichloro-2-butene	BQL	50.5	0.790	1	4/12/2008	
1,1-Dichloroethane	1.29	5.00	0.0880	1	4/12/2008	J
1,1-Dichloroethene	BQL	5.00	0.204	1	4/12/2008	
1,2-Dichloroethane	BQL	1.00	0.132	1	4/12/2008	
cis-1,2-Dichloroethene	0.770	3.00	0.0350	1	4/12/2008	J
t-1,2-dichloroethene	BQL	3.00	0.158	1	4/12/2008	
1,2-Dichloropropane	BQL	1.00	0.0960	1	4/12/2008	
1,1-Dichloropropene	BQL	5.00	0.121	1	4/12/2008	
cis-1,3-Dichloropropene	BQL	5.50	0.121	1	4/12/2008	
t-1,3-Dichloropropene	BQL	5.50	0.109	1	4/12/2008	
Ethylbenzene	BQL	3.00	0.111	1	4/12/2008	
2-hexanone	BQL	50.0	0.870	1	4/12/2008	
Iodomethane	BQL	6.00	0.0790	1	4/12/2008	
Methylene chloride	BQL	5.50	0.199	1	4/12/2008	
4-methyl-2-pentanone	BQL	100	1.04	1	4/12/2008	
Naphthalene	BQL	5.50	0.173	1	4/12/2008	
Styrene	BQL	5.50	0.109	1	4/12/2008	
1,1,1,2-Tetrachloroethane	BQL	5.00	0.125	1	4/12/2008	
1,1,2,2-Tetrachloroethane	BQL	3.00	0.187	1	4/12/2008	
Tetrachloroethene	BQL	3.00	0.112	1	4/12/2008	
Toluene	BQL	3.00	0.0910	1	4/12/2008	
Trichloroethene	BQL	3.00	0.0870	1	4/12/2008	
1,1,1-Trichloroethane	BQL	1.00	0.111	1	4/12/2008	
1,1,2-Trichloroethane	BQL	1.00	0.175	1	4/12/2008	

**Results for Volatiles
by GCMS 8260 Appendix I**

Client Sample ID: MW-1 Old

Client Project ID: Henderson County Additional Assessment

Lab Sample ID: G175-626-1A

Lab Project ID: G175-626

Analyzed By: MJC

Date Collected: 4/3/2008 15:30

Date Received: 4/5/2008

Matrix: Water

Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Trichlorofluoromethane	BQL	3.00	0.247	1	4/12/2008	
1,2,3-Trichloropropane	BQL	1.00	0.203	1	4/12/2008	
Vinyl acetate	BQL	26.0	0.240	1	4/12/2008	
Vinyl chloride	BQL	5.50	0.305	1	4/12/2008	
Total Xylene	BQL	4.00	0.110	1	4/12/2008	

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	10	10.3	103
Toluene-d8	10	9.91	99
4-Bromofluorobenzene	10	10.2	102

Comments:**Flags:**

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Analyst: zyReviewed By: MD

**Results for Volatiles
by GCMS 8260 Appendix I**

Client Sample ID: MW-1

Client Project ID: Henderson County Additional Assessment

Lab Sample ID: G175-626-2A

Lab Project ID: G175-626

Analyzed By: CLP

Date Collected: 4/4/2008 8:40

Date Received: 4/5/2008

Matrix: Water

Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	100	1.09	1	4/13/2008	
Acrylonitrile	BQL	200	6.02	1	4/13/2008	
Benzene	BQL	1.00	0.0800	1	4/13/2008	
Bromochloromethane	BQL	3.00	0.261	1	4/13/2008	
Bromodichloromethane	BQL	1.00	0.146	1	4/13/2008	
Bromoform	BQL	3.00	0.275	1	4/13/2008	
Bromomethane	BQL	5.50	0.261	1	4/13/2008	
2-butanone	BQL	51.0	1.53	1	4/13/2008	
Carbon disulfide	BQL	51.0	0.0630	1	4/13/2008	
Carbon tetrachloride	BQL	5.50	0.102	1	4/13/2008	
Chlorobenzene	BQL	3.00	0.0720	1	4/13/2008	
Chloroethane	BQL	5.50	0.568	1	4/13/2008	
Chloroform	BQL	3.00	0.121	1	4/13/2008	
Chloromethane	BQL	5.50	0.206	1	4/13/2008	
Dibromochloromethane	BQL	3.00	0.124	1	4/13/2008	
1,2-Dibromo-3-chloropropane	BQL	13.0	0.900	1	4/13/2008	
Dibromomethane	BQL	5.50	0.199	1	4/13/2008	
1,2-Dibromoethane	BQL	1.00	0.120	1	4/13/2008	
1,2-Dichlorobenzene	BQL	3.00	0.116	1	4/13/2008	
1,3-Dichlorobenzene	BQL	3.00	0.173	1	4/13/2008	
1,4-Dichlorobenzene	BQL	3.00	0.157	1	4/13/2008	
t-1,4-Dichloro-2-butene	BQL	50.5	0.790	1	4/13/2008	
1,1-Dichloroethane	BQL	5.00	0.0880	1	4/13/2008	
1,1-Dichloroethene	BQL	5.00	0.204	1	4/13/2008	
1,2-Dichloroethane	BQL	1.00	0.132	1	4/13/2008	
cis-1,2-Dichloroethene	BQL	3.00	0.0350	1	4/13/2008	
t-1,2-dichloroethene	BQL	3.00	0.158	1	4/13/2008	
1,2-Dichloropropane	BQL	1.00	0.0960	1	4/13/2008	
1,1-Dichloropropene	BQL	5.00	0.121	1	4/13/2008	
cis-1,3-Dichloropropene	BQL	5.50	0.121	1	4/13/2008	
t-1,3-Dichloropropene	BQL	5.50	0.109	1	4/13/2008	
Ethylbenzene	BQL	3.00	0.111	1	4/13/2008	
2-hexanone	BQL	50.0	0.870	1	4/13/2008	
Iodomethane	BQL	6.00	0.0790	1	4/13/2008	
Methylene chloride	BQL	5.50	0.199	1	4/13/2008	
4-methyl-2-pentanone	BQL	100	1.04	1	4/13/2008	
Naphthalene	BQL	5.50	0.173	1	4/13/2008	
Styrene	BQL	5.50	0.109	1	4/13/2008	
1,1,1,2-Tetrachloroethane	BQL	5.00	0.125	1	4/13/2008	
1,1,2,2-Tetrachloroethane	BQL	3.00	0.187	1	4/13/2008	
Tetrachloroethene	BQL	3.00	0.112	1	4/13/2008	
Toluene	BQL	3.00	0.0910	1	4/13/2008	
Trichloroethene	BQL	3.00	0.0870	1	4/13/2008	
1,1,1-Trichloroethane	BQL	1.00	0.111	1	4/13/2008	
1,1,2-Trichloroethane	BQL	1.00	0.175	1	4/13/2008	



**Results for Volatiles
by GCMS 8260 Appendix I**

Client Sample ID: MW-1

Client Project ID: Henderson County Additional Assessment

Lab Sample ID: G175-626-2A

Lab Project ID: G175-626

Analyzed By: CLP

Date Collected: 4/4/2008 8:40

Date Received: 4/5/2008

Matrix: Water

Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Trichlorofluoromethane	BQL	3.00	0.247	1	4/13/2008	
1,2,3-Trichloropropane	BQL	1.00	0.203	1	4/13/2008	
Vinyl acetate	BQL	26.0	0.240	1	4/13/2008	
Vinyl chloride	BQL	5.50	0.305	1	4/13/2008	
Total Xylene	BQL	4.00	0.110	1	4/13/2008	

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	10	10.8	108
Toluene-d8	10	9.95	99
4-Bromofluorobenzene	10	10.1	101

Comments:**Flags:**

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Analyst: zyReviewed By: CD

**Results for Volatiles
by GCMS 8260 Appendix I**

Client Sample ID: MW-2 Old

Client Project ID: Henderson County Additional Assessment

Lab Sample ID: G175-626-3A

Lab Project ID: G175-626

Analyzed By: CLP

Date Collected: 4/4/2008 10:00

Date Received: 4/5/2008

Matrix: Water

Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	100	1.09	1	4/13/2008	
Acrylonitrile	BQL	200	6.02	1	4/13/2008	
Benzene	0.880	1.00	0.0800	1	4/13/2008	
Bromochloromethane	BQL	3.00	0.261	1	4/13/2008	
Bromodichloromethane	BQL	1.00	0.146	1	4/13/2008	
Bromoform	BQL	3.00	0.275	1	4/13/2008	
Bromomethane	BQL	5.50	0.261	1	4/13/2008	
2-butanone	BQL	51.0	1.53	1	4/13/2008	
Carbon disulfide	BQL	51.0	0.0630	1	4/13/2008	
Carbon tetrachloride	BQL	5.50	0.102	1	4/13/2008	
Chlorobenzene	1.42	3.00	0.0720	1	4/13/2008	
Chloroethane	BQL	5.50	0.568	1	4/13/2008	
Chloroform	BQL	3.00	0.121	1	4/13/2008	
Chloromethane	BQL	5.50	0.206	1	4/13/2008	
Dibromochloromethane	BQL	3.00	0.124	1	4/13/2008	
1,2-Dibromo-3-chloropropane	BQL	13.0	0.900	1	4/13/2008	
Dibromomethane	BQL	5.50	0.199	1	4/13/2008	
1,2-Dibromoethane	BQL	1.00	0.120	1	4/13/2008	
1,2-Dichlorobenzene	0.390	3.00	0.116	1	4/13/2008	
1,3-Dichlorobenzene	BQL	3.00	0.173	1	4/13/2008	
1,4-Dichlorobenzene	1.04	3.00	0.157	1	4/13/2008	
t-1,4-Dichloro-2-butene	BQL	50.5	0.790	1	4/13/2008	
1,1-Dichloroethane	3.87	5.00	0.0880	1	4/13/2008	
1,1-Dichloroethene	BQL	5.00	0.204	1	4/13/2008	
1,2-Dichloroethane	BQL	1.00	0.132	1	4/13/2008	
cis-1,2-Dichloroethene	5.43	3.00	0.0350	1	4/13/2008	
t-1,2-dichloroethene	BQL	3.00	0.158	1	4/13/2008	
1,2-Dichloropropane	0.350	1.00	0.0960	1	4/13/2008	
1,1-Dichloropropene	BQL	5.00	0.121	1	4/13/2008	
cis-1,3-Dichloropropene	BQL	5.50	0.121	1	4/13/2008	
t-1,3-Dichloropropene	BQL	5.50	0.109	1	4/13/2008	
Ethylbenzene	BQL	3.00	0.111	1	4/13/2008	
2-hexanone	BQL	50.0	0.870	1	4/13/2008	
Iodomethane	BQL	6.00	0.0790	1	4/13/2008	
Methylene chloride	BQL	5.50	0.199	1	4/13/2008	
4-methyl-2-pentanone	BQL	100	1.04	1	4/13/2008	
Naphthalene	0.550	5.50	0.173	1	4/13/2008	
Styrene	BQL	5.50	0.109	1	4/13/2008	
1,1,1,2-Tetrachloroethane	BQL	5.00	0.125	1	4/13/2008	
1,1,2,2-Tetrachloroethane	BQL	3.00	0.187	1	4/13/2008	
Tetrachloroethene	0.650	3.00	0.112	1	4/13/2008	
Toluene	0.280	3.00	0.0910	1	4/13/2008	
Trichloroethene	0.850	3.00	0.0870	1	4/13/2008	
1,1,1-Trichloroethane	BQL	1.00	0.111	1	4/13/2008	
1,1,2-Trichloroethane	BQL	1.00	0.175	1	4/13/2008	



**Results for Volatiles
by GCMS 8260 Appendix I**

Client Sample ID: MW-2 Old

Client Project ID: Henderson County Additional Assessment

Lab Sample ID: G175-626-3A

Lab Project ID: G175-626

Analyzed By: CLP

Date Collected: 4/4/2008 10:00

Date Received: 4/5/2008

Matrix: Water

Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Trichlorofluoromethane	BQL	3.00	0.247	1	4/13/2008	
1,2,3-Trichloropropane	BQL	1.00	0.203	1	4/13/2008	
Vinyl acetate	BQL	26.0	0.240	1	4/13/2008	
Vinyl chloride	0.640	5.50	0.305	1	4/13/2008	J
Total Xylene	0.710	4.00	0.110	1	4/13/2008	J

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	10	10.6	106
Toluene-d8	10	9.88	99
4-Bromofluorobenzene	10	10.3	103

Comments:**Flags:**

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Analyst: ZyReviewed By: MM



**Results for Volatiles
by GCMS 8260 Appendix I**

Client Sample ID: AMW-2d

Client Project ID: Henderson County Additional Assessment

Lab Sample ID: G175-626-4A

Lab Project ID: G175-626

Analyzed By: CLP

Date Collected: 4/4/2008 11:00

Date Received: 4/5/2008

Matrix: Water

Sample Amount: 5 mL

Compound	Result	SWL	MDL	Dilution Factor	Date Analyzed	Flag
	UG/L	Limit UG/L	UG/L			
Acetone	BQL	100	1.09	1	4/13/2008	
Acrylonitrile	BQL	200	6.02	1	4/13/2008	
Benzene	BQL	1.00	0.0800	1	4/13/2008	
Bromochloromethane	BQL	3.00	0.261	1	4/13/2008	
Bromodichloromethane	BQL	1.00	0.146	1	4/13/2008	
Bromoform	BQL	3.00	0.275	1	4/13/2008	
Bromomethane	BQL	5.50	0.261	1	4/13/2008	
2-butanone	BQL	51.0	1.53	1	4/13/2008	
Carbon disulfide	BQL	51.0	0.0630	1	4/13/2008	
Carbon tetrachloride	BQL	5.50	0.102	1	4/13/2008	
Chlorobenzene	BQL	3.00	0.0720	1	4/13/2008	
Chloroethane	BQL	5.50	0.568	1	4/13/2008	
Chloroform	BQL	3.00	0.121	1	4/13/2008	
Chloromethane	BQL	5.50	0.206	1	4/13/2008	
Dibromochloromethane	BQL	3.00	0.124	1	4/13/2008	
1,2-Dibromo-3-chloropropane	BQL	13.0	0.900	1	4/13/2008	
Dibromomethane	BQL	5.50	0.199	1	4/13/2008	
1,2-Dibromoethane	BQL	1.00	0.120	1	4/13/2008	
1,2-Dichlorobenzene	BQL	3.00	0.116	1	4/13/2008	
1,3-Dichlorobenzene	BQL	3.00	0.173	1	4/13/2008	
1,4-Dichlorobenzene	BQL	3.00	0.157	1	4/13/2008	
t-1,4-Dichloro-2-butene	BQL	50.5	0.790	1	4/13/2008	
1,1-Dichloroethane	BQL	5.00	0.0880	1	4/13/2008	
1,1-Dichloroethene	BQL	5.00	0.204	1	4/13/2008	
1,2-Dichloroethane	BQL	1.00	0.132	1	4/13/2008	
cis-1,2-Dichloroethene	BQL	3.00	0.0350	1	4/13/2008	
t-1,2-dichloroethene	BQL	3.00	0.158	1	4/13/2008	
1,2-Dichloropropane	BQL	1.00	0.0960	1	4/13/2008	
1,1-Dichloropropene	BQL	5.00	0.121	1	4/13/2008	
cis-1,3-Dichloropropene	BQL	5.50	0.121	1	4/13/2008	
t-1,3-Dichloropropene	BQL	5.50	0.109	1	4/13/2008	
Ethylbenzene	BQL	3.00	0.111	1	4/13/2008	
2-hexanone	BQL	50.0	0.870	1	4/13/2008	
Iodomethane	BQL	6.00	0.0790	1	4/13/2008	
Methylene chloride	3.10	5.50	0.199	1	4/13/2008	J
4-methyl-2-pentanone	BQL	100	1.04	1	4/13/2008	
Naphthalene	BQL	5.50	0.173	1	4/13/2008	
Styrene	BQL	5.50	0.109	1	4/13/2008	
1,1,1,2-Tetrachloroethane	BQL	5.00	0.125	1	4/13/2008	
1,1,2,2-Tetrachloroethane	BQL	3.00	0.187	1	4/13/2008	
Tetrachloroethene	BQL	3.00	0.112	1	4/13/2008	
Toluene	BQL	3.00	0.0910	1	4/13/2008	
Trichloroethene	BQL	3.00	0.0870	1	4/13/2008	
1,1,1-Trichloroethane	BQL	1.00	0.111	1	4/13/2008	
1,1,2-Trichloroethane	BQL	1.00	0.175	1	4/13/2008	

**Results for Volatiles
by GCMS 8260 Appendix I**

Client Sample ID: AMW-2d

Client Project ID: Henderson County Additional Assessment

Lab Sample ID: G175-626-4A

Lab Project ID: G175-626

Analyzed By: CLP

Date Collected: 4/4/2008 11:00

Date Received: 4/5/2008

Matrix: Water

Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Trichlorofluoromethane	BQL	3.00	0.247	1	4/13/2008	
1,2,3-Trichloropropane	BQL	1.00	0.203	1	4/13/2008	
Vinyl acetate	BQL	26.0	0.240	1	4/13/2008	
Vinyl chloride	BQL	5.50	0.305	1	4/13/2008	
Total Xylene	BQL	4.00	0.110	1	4/13/2008	

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	10	10.6	106
Toluene-d8	10	9.83	98
4-Bromofluorobenzene	10	10.1	101

Comments:**Flags:**

BQL = Below Quantitation Limits.

Analyst: CJReviewed By: MM

**Results for Volatiles
by GCMS 8260 Appendix I**

Client Sample ID: AMW-2s

Client Project ID: Henderson County Additional Assessment

Lab Sample ID: G175-626-5A

Lab Project ID: G175-626

Analyzed By: CLP

Date Collected: 4/4/2008 11:50

Date Received: 4/5/2008

Matrix: Water

Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	100	1.09	1	4/13/2008	
Acrylonitrile	BQL	200	6.02	1	4/13/2008	
Benzene	1.28	1.00	0.0800	1	4/13/2008	
Bromochloromethane	BQL	3.00	0.261	1	4/13/2008	
Bromodichloromethane	BQL	1.00	0.146	1	4/13/2008	
Bromoform	BQL	3.00	0.275	1	4/13/2008	
Bromomethane	BQL	5.50	0.261	1	4/13/2008	
2-butanone	BQL	51.0	1.53	1	4/13/2008	
Carbon disulfide	BQL	51.0	0.0630	1	4/13/2008	
Carbon tetrachloride	BQL	5.50	0.102	1	4/13/2008	
Chlorobenzene	4.50	3.00	0.0720	1	4/13/2008	
Chloroethane	BQL	5.50	0.568	1	4/13/2008	
Chloroform	BQL	3.00	0.121	1	4/13/2008	
Chloromethane	BQL	5.50	0.206	1	4/13/2008	
Dibromochloromethane	BQL	3.00	0.124	1	4/13/2008	
1,2-Dibromo-3-chloropropane	BQL	13.0	0.900	1	4/13/2008	
Dibromomethane	BQL	5.50	0.199	1	4/13/2008	
1,2-Dibromoethane	BQL	1.00	0.120	1	4/13/2008	
1,2-Dichlorobenzene	0.270	3.00	0.116	1	4/13/2008	J
1,3-Dichlorobenzene	BQL	3.00	0.173	1	4/13/2008	
1,4-Dichlorobenzene	2.11	3.00	0.157	1	4/13/2008	J
t-1,4-Dichloro-2-butene	BQL	50.5	0.790	1	4/13/2008	
1,1-Dichloroethane	0.980	5.00	0.0880	1	4/13/2008	J
1,1-Dichloroethene	BQL	5.00	0.204	1	4/13/2008	
1,2-Dichloroethane	BQL	1.00	0.132	1	4/13/2008	
cis-1,2-Dichloroethene	1.85	3.00	0.0350	1	4/13/2008	J
t-1,2-dichloroethene	BQL	3.00	0.158	1	4/13/2008	
1,2-Dichloropropane	0.120	1.00	0.0960	1	4/13/2008	J
1,1-Dichloropropene	BQL	5.00	0.121	1	4/13/2008	
cis-1,3-Dichloropropene	BQL	5.50	0.121	1	4/13/2008	
t-1,3-Dichloropropene	BQL	5.50	0.109	1	4/13/2008	
Ethylbenzene	BQL	3.00	0.111	1	4/13/2008	
2-hexanone	BQL	50.0	0.870	1	4/13/2008	
Iodomethane	BQL	6.00	0.0790	1	4/13/2008	
Methylene chloride	BQL	5.50	0.199	1	4/13/2008	
4-methyl-2-pentanone	BQL	100	1.04	1	4/13/2008	
Naphthalene	BQL	5.50	0.173	1	4/13/2008	
Styrene	BQL	5.50	0.109	1	4/13/2008	
1,1,1,2-Tetrachloroethane	BQL	5.00	0.125	1	4/13/2008	
1,1,2,2-Tetrachloroethane	BQL	3.00	0.187	1	4/13/2008	
Tetrachloroethene	BQL	3.00	0.112	1	4/13/2008	
Toluene	BQL	3.00	0.0910	1	4/13/2008	
Trichloroethene	0.300	3.00	0.0870	1	4/13/2008	J
1,1,1-Trichloroethane	BQL	1.00	0.111	1	4/13/2008	
1,1,2-Trichloroethane	BQL	1.00	0.175	1	4/13/2008	

**Results for Volatiles
by GCMS 8260 Appendix I**

Client Sample ID: AMW-2s

Client Project ID: Henderson County Additional Assessment

Lab Sample ID: G175-626-5A

Lab Project ID: G175-626

Analyzed By: CLP

Date Collected: 4/4/2008 11:50

Date Received: 4/5/2008

Matrix: Water

Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Trichlorofluoromethane	BQL	3.00	0.247	1	4/13/2008	
1,2,3-Trichloropropane	BQL	1.00	0.203	1	4/13/2008	
Vinyl acetate	BQL	26.0	0.240	1	4/13/2008	
Vinyl chloride	0.590	5.50	0.305	1	4/13/2008	J
Total Xylene	BQL	4.00	0.110	1	4/13/2008	

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	10	10.6	106
Toluene-d8	10	9.99	100
4-Bromofluorobenzene	10	10.3	103

Comments:**Flags:**

BQL = Below Quantitation Limits.

Analyst: (Signature)Reviewed By: (Signature)



Results for Metals

Client Sample ID: MW-1 Old
Client Project ID: Henderson County Additional Assessment
Lab Sample ID: G175-626-1
Lab Project ID: G175-626
Batch ID: 10946 10967

Analyzed By: PSW
Date Collected: 4/3/2008 15:30
Date Received: 4/5/2008
Matrix: WATER

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Antimony	BQL	0.00600	0.00562	1	MG/L	6010B	4/8/2008	
Arsenic	0.00189	0.0100	0.00185	1	MG/L	6010B	4/8/2008	J
Barium	0.0912	0.100	0.00512	1	MG/L	6010B	4/8/2008	JB
Beryllium	0.00146	0.00100	0.000247	1	MG/L	6010B	4/8/2008	B
Cadmium	BQL	0.00100	0.000134	10	MG/L	6020	4/9/2008	
Chromium	0.0109	0.0100	0.00115	1	MG/L	6010B	4/8/2008	B
Cobalt	BQL	0.0100	0.00315	1	MG/L	6010B	4/8/2008	
Copper	0.0106	0.0100	0.00167	1	MG/L	6010B	4/8/2008	B
Lead	0.0185	0.0100	0.00358	1	MG/L	6010B	4/8/2008	
Mercury	0.00105	0.000285	0.000037	1	MG/L	7470	4/9/2008	
Nickel	BQL	0.0500	0.00474	1	MG/L	6010B	4/8/2008	
Selenium	BQL	0.0100	0.00730	1	MG/L	6010B	4/8/2008	B
Silver	BQL	0.0100	0.000812	1	MG/L	6010B	4/8/2008	B
Thallium	BQL	0.00550	0.00521	1	MG/L	6010B	4/8/2008	
Vanadium	0.00675	0.0500	0.00450	1	MG/L	6010B	4/8/2008	J
Zinc	0.0125	0.0100	0.00399	1	MG/L	6010B	4/8/2008	

Comments

BQL = Below Quantitation Limits

DF = Dilution Factor

J = Between MDL and RL

B= Amount in Prep Blank > MDL

Reviewed By: 
METALS.XLS



Results for Metals

Client Sample ID: MW-1
Client Project ID: Henderson County Additional Assessment
Lab Sample ID: G175-626-2
Lab Project ID: G175-626
Batch ID: 10946 10967
Analyzed By: PSW
Date Collected: 4/4/2008 08:40
Date Received: 4/5/2008
Matrix: WATER

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Antimony	BQL	0.00600	0.00562	1	MG/L	6010B	4/8/2008	
Arsenic	0.00329	0.0100	0.00185	1	MG/L	6010B	4/8/2008	J
Barium	0.0165	0.100	0.00512	1	MG/L	6010B	4/8/2008	JB
Beryllium	0.00802	0.00100	0.000247	1	MG/L	6010B	4/8/2008	B
Cadmium	BQL	0.00100	0.000134	10	MG/L	6020	4/9/2008	
Chromium	0.00418	0.0100	0.00115	1	MG/L	6010B	4/8/2008	JB
Cobalt	BQL	0.0100	0.00315	1	MG/L	6010B	4/8/2008	
Copper	0.00643	0.0100	0.00167	1	MG/L	6010B	4/8/2008	JB
Lead	0.00468	0.0100	0.00358	1	MG/L	6010B	4/8/2008	J
Mercury	BQL	0.000285	0.000037	1	MG/L	7470	4/9/2008	
Nickel	BQL	0.0500	0.00474	1	MG/L	6010B	4/8/2008	
Selenium	BQL	0.0100	0.00730	1	MG/L	6010B	4/8/2008	B
Silver	0.00104	0.0100	0.000812	1	MG/L	6010B	4/8/2008	JB
Thallium	BQL	0.00550	0.00521	1	MG/L	6010B	4/8/2008	
Vanadium	BQL	0.0500	0.00450	1	MG/L	6010B	4/8/2008	
Zinc	0.0162	0.0100	0.00399	1	MG/L	6010B	4/8/2008	

Comments

BQL = Below Quantitation Limits

DF = Dilution Factor

J = Between MDL and RL

B= Amount in Prep Blank > MDL

Reviewed By: 
METALS.XLS



Results for Metals

Client Sample ID: MW-2 Old
Client Project ID: Henderson County Additional Assessment
Lab Sample ID: G175-626-3
Lab Project ID: G175-626
Batch ID: 10946 10967
Analyzed By: PSW
Date Collected: 4/4/2008 10:00
Date Received: 4/5/2008
Matrix: WATER

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Antimony	BQL	0.00600	0.00562	1	MG/L	6010B	4/8/2008	
Arsenic	BQL	0.0100	0.00185	1	MG/L	6010B	4/8/2008	
Barium	0.0748	0.100	0.00512	1	MG/L	6010B	4/8/2008	JB
Beryllium	0.00107	0.00100	0.000247	1	MG/L	6010B	4/8/2008	B
Cadmium	0.000180	0.00100	0.000134	10	MG/L	6020	4/9/2008	J
Chromium	0.00456	0.0100	0.00115	1	MG/L	6010B	4/8/2008	JB
Cobalt	BQL	0.0100	0.00315	1	MG/L	6010B	4/8/2008	
Copper	0.00907	0.0100	0.00167	1	MG/L	6010B	4/8/2008	JB
Lead	0.00618	0.0100	0.00358	1	MG/L	6010B	4/8/2008	J
Mercury	0.00306	0.000285	0.000037	1	MG/L	7470	4/9/2008	
Nickel	0.00550	0.0500	0.00474	1	MG/L	6010B	4/8/2008	J
Selenium	BQL	0.0100	0.00730	1	MG/L	6010B	4/8/2008	B
Silver	0.00118	0.0100	0.000812	1	MG/L	6010B	4/8/2008	JB
Thallium	BQL	0.00550	0.00521	1	MG/L	6010B	4/8/2008	
Vanadium	BQL	0.0500	0.00450	1	MG/L	6010B	4/8/2008	
Zinc	0.0467	0.0100	0.00399	1	MG/L	6010B	4/8/2008	

Comments

BQL = Below Quantitation Limits

DF = Dilution Factor

J = Between MDL and RL

B= Amount in Prep Blank > MDL

Reviewed By: 
METALS.XLS



Results for Metals

Client Sample ID: AMW-2d Analyzed By: PSW
Client Project ID: Henderson County Additional Assessment Date Collected: 4/4/2008 11:00
Lab Sample ID: G175-626-4 Date Received: 4/5/2008
Lab Project ID: G175-626 Matrix: WATER
Batch ID: 10946 10967

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Antimony	BQL	0.00600	0.00562	1	MG/L	6010B	4/8/2008	
Arsenic	0.0105	0.0100	0.00185	1	MG/L	6010B	4/8/2008	
Barium	0.0394	0.100	0.00512	1	MG/L	6010B	4/8/2008	JB
Beryllium	0.00233	0.00100	0.000247	1	MG/L	6010B	4/8/2008	B
Cadmium	BQL	0.00100	0.000134	10	MG/L	6020	4/9/2008	
Chromium	0.130	0.0100	0.00115	1	MG/L	6010B	4/8/2008	B
Cobalt	BQL	0.0100	0.00315	1	MG/L	6010B	4/8/2008	
Copper	0.0106	0.0100	0.00167	1	MG/L	6010B	4/8/2008	B
Lead	0.0125	0.0100	0.00358	1	MG/L	6010B	4/8/2008	
Mercury	BQL	0.000285	0.000037	1	MG/L	7470	4/9/2008	
Nickel	0.00709	0.0500	0.00474	1	MG/L	6010B	4/8/2008	J
Selenium	0.00751	0.0100	0.00730	1	MG/L	6010B	4/8/2008	JB
Silver	BQL	0.0100	0.000812	1	MG/L	6010B	4/8/2008	B
Thallium	BQL	0.00550	0.00521	1	MG/L	6010B	4/8/2008	
Vanadium	0.00513	0.0500	0.00450	1	MG/L	6010B	4/8/2008	J
Zinc	0.0277	0.0100	0.00399	1	MG/L	6010B	4/8/2008	

Comments

BQL = Below Quantitation Limits

DF = Dilution Factor

J = Between MDL and RL

B= Amount in Prep Blank > MDL

Reviewed By: 
METALS.XLS



Results for Metals

Client Sample ID: AMW-2s Analyzed By: PSW
Client Project ID: Henderson County Additional Assessment Date Collected: 4/4/2008 11:50
Lab Sample ID: G175-626-5 Date Received: 4/5/2008
Lab Project ID: G175-626 Matrix: WATER
Batch ID: 10946 10967

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Antimony	BQL	0.00600	0.00562	1	MG/L	6010B	4/8/2008	
Arsenic	0.00364	0.0100	0.00185	1	MG/L	6010B	4/8/2008	J
Barium	0.0443	0.100	0.00512	1	MG/L	6010B	4/8/2008	JB
Beryllium	BQL	0.00100	0.000247	1	MG/L	6010B	4/8/2008	B
Cadmium	BQL	0.00100	0.000134	10	MG/L	6020	4/9/2008	
Chromium	0.00418	0.0100	0.00115	1	MG/L	6010B	4/8/2008	JB
Cobalt	0.0125	0.0100	0.00315	1	MG/L	6010B	4/8/2008	
Copper	0.00589	0.0100	0.00167	1	MG/L	6010B	4/8/2008	JB
Lead	0.00616	0.0100	0.00358	1	MG/L	6010B	4/8/2008	J
Mercury	BQL	0.000285	0.000037	1	MG/L	7470	4/9/2008	
Nickel	0.00589	0.0500	0.00474	1	MG/L	6010B	4/8/2008	J
Selenium	0.00954	0.0100	0.00730	1	MG/L	6010B	4/8/2008	JB
Silver	0.00148	0.0100	0.000812	1	MG/L	6010B	4/8/2008	JB
Thallium	BQL	0.00550	0.00521	1	MG/L	6010B	4/8/2008	
Vanadium	BQL	0.0500	0.00450	1	MG/L	6010B	4/8/2008	
Zinc	0.0141	0.0100	0.00399	1	MG/L	6010B	4/8/2008	

Comments

BQL = Below Quantitation Limits

DF = Dilution Factor

J = Between MDL and RL

B= Amount in Prep Blank > MDL

Reviewed By: 
METALS.XLS

**Results for Semivolatiles
by GCMS 8270**

Client Sample ID: MW-1 Old
Client Project ID: Henderson County Additional Assessment
Lab Sample ID: G175-626-1H
Lab Project ID: G175-626

Analyzed By: DES
Date Collected: 4/3/2008 15:30
Date Received: 4/5/2008
Date Extracted: 4/10/2008
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
2-Chlorophenol	BQL	5.13	2.17	1	4/16/2008	
4-Chloro-3-methylphenol	BQL	5.13	1.67	1	4/16/2008	
2,4-Dichlorophenol	BQL	5.13	1.93	1	4/16/2008	
2,4-Dimethylphenol	BQL	5.13	4.75	1	4/16/2008	
4,6-Dinitro-2-methylphenol	BQL	25.7	1.90	1	4/16/2008	
2,4-Dinitrophenol	BQL	25.7	2.16	1	4/16/2008	
2-Methylphenol	BQL	5.13	2.06	1	4/16/2008	
3- & 4-Methylphenol	BQL	5.13	1.51	1	4/16/2008	
2-Nitrophenol	BQL	5.13	1.81	1	4/16/2008	
4-Nitrophenol	BQL	25.7	1.63	1	4/16/2008	
Pentachlorophenol	BQL	25.7	1.45	1	4/16/2008	
Phenol	BQL	5.13	1.74	1	4/16/2008	
2,4,5-Trichlorophenol	BQL	5.13	1.35	1	4/16/2008	
2,4,6-Trichlorophenol	BQL	5.13	1.50	1	4/16/2008	
	Spike Added	Spike Result	Percent Recovered			
2-Fluorobiphenyl	10	8.7	87			
2-Fluorophenol	10	6.4	64			
Nitrobenzene-d5	10	9.6	96			
Phenol-d6	10	9.1	91			
2,4,6-Tribromophenol	10	9	90			
4-Terphenyl-d14	10	12.2	122			

Comments:**Flags:**

BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By:



Results for Semivolatiles
by GCMS 8270

Client Sample ID: MW-1
Client Project ID: Henderson County Additional Assessment
Lab Sample ID: G175-626-2H
Lab Project ID: G175-626

Analyzed By: DES
Date Collected: 4/4/2008 8:40
Date Received: 4/5/2008
Date Extracted: 4/10/2008
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
2-Chlorophenol	BQL	5.10	2.15	1	4/16/2008	
4-Chloro-3-methylphenol	BQL	5.10	1.66	1	4/16/2008	
2,4-Dichlorophenol	BQL	5.10	1.91	1	4/16/2008	
2,4-Dimethylphenol	BQL	5.10	4.72	1	4/16/2008	
4,6-Dinitro-2-methylphenol	BQL	25.5	1.89	1	4/16/2008	
2,4-Dinitrophenol	BQL	25.5	2.14	1	4/16/2008	
2-Methylphenol	BQL	5.10	2.05	1	4/16/2008	
3- & 4-Methylphenol	BQL	5.10	1.50	1	4/16/2008	
2-Nitrophenol	BQL	5.10	1.80	1	4/16/2008	
4-Nitrophenol	BQL	25.5	1.62	1	4/16/2008	
Pentachlorophenol	BQL	25.5	1.44	1	4/16/2008	
Phenol	BQL	5.10	1.72	1	4/16/2008	
2,4,5-Trichlorophenol	BQL	5.10	1.34	1	4/16/2008	
2,4,6-Trichlorophenol	BQL	5.10	1.49	1	4/16/2008	
	Spike Added	Spike Result	Percent Recovered			
2-Fluorobiphenyl	10	7.4	74			
2-Fluorophenol	10	5.3	53			
Nitrobenzene-d5	10	8	80			
Phenol-d6	10	7.6	76			
2,4,6-Tribromophenol	10	7.5	75			
4-Terphenyl-d14	10	11.4	114			

Comments:**Flags:**

BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: CD

**Results for Semivolatiles
by GCMS 8270**

Client Sample ID: MW-2 Old
Client Project ID: Henderson County Additional Assessment
Lab Sample ID: G175-626-3H
Lab Project ID: G175-626

Analyzed By: DES
Date Collected: 4/4/2008 10:00
Date Received: 4/5/2008
Date Extracted: 4/11/2008
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
2-Chlorophenol	BQL	5.22	2.20	1	4/16/2008	
4-Chloro-3-methylphenol	BQL	5.22	1.70	1	4/16/2008	
2,4-Dichlorophenol	BQL	5.22	1.96	1	4/16/2008	
2,4-Dimethylphenol	BQL	5.22	4.83	1	4/16/2008	
4,6-Dinitro-2-methylphenol	BQL	26.1	1.94	1	4/16/2008	
2,4-Dinitrophenol	BQL	26.1	2.19	1	4/16/2008	
2-Methylphenol	BQL	5.22	2.09	1	4/16/2008	
3- & 4-Methylphenol	BQL	5.22	1.53	1	4/16/2008	
2-Nitrophenol	BQL	5.22	1.84	1	4/16/2008	
4-Nitrophenol	BQL	26.1	1.65	1	4/16/2008	
Pentachlorophenol	BQL	26.1	1.48	1	4/16/2008	
Phenol	BQL	5.22	1.76	1	4/16/2008	
2,4,5-Trichlorophenol	BQL	5.22	1.37	1	4/16/2008	
2,4,6-Trichlorophenol	BQL	5.22	1.52	1	4/16/2008	
	Spike Added	Spike Result	Percent Recovered			
2-Fluorobiphenyl	10	8.4	84			
2-Fluorophenol	10	5	50			
Nitrobenzene-d5	10	8.2	82			
Phenol-d6	10	7.7	77			
2,4,6-Tribromophenol	10	9.6	96			
4-Terphenyl-d14	10	12.4	124			

Comments:**Flags:**

BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: SM

**Results for Semivolatiles
by GCMS 8270**

Client Sample ID: AMW-2d
Client Project ID: Henderson County Additional Assessment
Lab Sample ID: G175-626-4H
Lab Project ID: G175-626

Analyzed By: DES
Date Collected: 4/4/2008 11:00
Date Received: 4/5/2008
Date Extracted: 4/11/2008
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
2-Chlorophenol	BQL	5.24	2.21	1	4/16/2008	
4-Chloro-3-methylphenol	BQL	5.24	1.71	1	4/16/2008	
2,4-Dichlorophenol	BQL	5.24	1.96	1	4/16/2008	
2,4-Dimethylphenol	BQL	5.24	4.84	1	4/16/2008	
4,6-Dinitro-2-methylphenol	BQL	26.2	1.94	1	4/16/2008	
2,4-Dinitrophenol	BQL	26.2	2.20	1	4/16/2008	
2-Methylphenol	BQL	5.24	2.10	1	4/16/2008	
3- & 4-Methylphenol	BQL	5.24	1.54	1	4/16/2008	
2-Nitrophenol	BQL	5.24	1.84	1	4/16/2008	
4-Nitrophenol	BQL	26.2	1.66	1	4/16/2008	
Pentachlorophenol	BQL	26.2	1.48	1	4/16/2008	
Phenol	BQL	5.24	1.77	1	4/16/2008	
2,4,5-Trichlorophenol	BQL	5.24	1.38	1	4/16/2008	
2,4,6-Trichlorophenol	BQL	5.24	1.53	1	4/16/2008	

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.2	82
2-Fluorophenol	10	5.9	59
Nitrobenzene-d5	10	8.7	87
Phenol-d6	10	8.3	83
2,4,6-Tribromophenol	10	7.9	79
4-Terphenyl-d14	10	11.1	111

Comments:**Flags:**

BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: MM

**Results for Semivolatiles
by GCMS 8270**

Client Sample ID: AMW-2s
Client Project ID: Henderson County Additional Assessment
Lab Sample ID: G175-626-5J
Lab Project ID: G175-626

Analyzed By: DES
Date Collected: 4/4/2008 11:50
Date Received: 4/5/2008
Date Extracted: 4/11/2008
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
2-Chlorophenol	BQL	5.13	2.16	1	4/16/2008	
4-Chloro-3-methylphenol	BQL	5.13	1.67	1	4/16/2008	
2,4-Dichlorophenol	BQL	5.13	1.92	1	4/16/2008	
2,4-Dimethylphenol	BQL	5.13	4.74	1	4/16/2008	
4,6-Dinitro-2-methylphenol	BQL	25.6	1.90	1	4/16/2008	
2,4-Dinitrophenol	BQL	25.6	2.15	1	4/16/2008	
2-Methylphenol	BQL	5.13	2.06	1	4/16/2008	
3- & 4-Methylphenol	BQL	5.13	1.51	1	4/16/2008	
2-Nitrophenol	BQL	5.13	1.81	1	4/16/2008	
4-Nitrophenol	BQL	25.6	1.63	1	4/16/2008	
Pentachlorophenol	BQL	25.6	1.45	1	4/16/2008	
Phenol	BQL	5.13	1.73	1	4/16/2008	
2,4,5-Trichlorophenol	BQL	5.13	1.35	1	4/16/2008	
2,4,6-Trichlorophenol	BQL	5.13	1.50	1	4/16/2008	
	Spike Added	Spike Result	Percent Recovered			
2-Fluorobiphenyl	10	8.2	82			
2-Fluorophenol	10	6.2	62			
Nitrobenzene-d5	10	8.9	89			
Phenol-d6	10	8.9	89			
2,4,6-Tribromophenol	10	10.7	107			
4-Terphenyl-d14	10	11.5	115			

Comments:**Flags:**

BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: WA



CHAIN OF CUSTODY RECORD
SGS Environmental Services Inc.

SGS

Locations Nationwide	<ul style="list-style-type: none"> • Alaska • Hawaii • Maryland • North Carolina • Ohio • New Jersey • West Virginia
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www.us.sgs.com

SGS ENVIRONMENTAL SERVICES, INC.

1	CLIENT: Cdm	SGS Reference: 6775-626						PAGE 1 OF 1
CONTACT: Dan FORBES	PHONE NO.: 919-787-5620							
PROJECT: Henderson County SITE/PVNSID:								
REPORTS TO: Environmental Assessment E-MAIL:								
INVOICE TO: Dan FORBES	FAX NO.: 919-781-5730							
QUOTE #:	P.O. NUMBER							
2	LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	REMARKS		
	MW-1 Old	4-3-08	1530	W	5	3 1	- Report analytical	
	MW-1	4-4-08	0840	W	5	3 1	results according to	
	MW-2 Old	4-4-08	1000	W	5	3 1	the Solid Waste	
	MW-2d	4-4-08	1100	W	5	3 1	Section's reporting	
	MW-2s	4-4-08	1150	W	5	3 1	limits	
							- Report T values	
							- Provide electronic	
							deliverable	
4	Collected/Relinquished By: (1)	Date	Time	Received By:	Date	Time	Samples Received Cold? (Circle) YES	
	<i>Dan File</i>	4-4-08	1640	<i>Dan File</i>	<i>1/10</i>	<i>1/10</i>	<i>2 S C, 2 S C</i>	
	Relinquished By: (2)	Date	Time	Received By:	Date	Time	Temperature (C):	
	Relinquished By: (3)	Date	Time	Received By:	Date	Time	Chain of Custody Seal: (Circle)	
	Relinquished By: (4)	Date	Time	Received By:	Date	Time	INTACT BROKEN ABSENT	
5	Collected/Relinquished By: (1)	Date	Time	Received By:	Date	Time	Shipping Carrier: fed-ex	
	<i>Dan File</i>	4-4-08	1640	<i>Dan File</i>	<i>1/10</i>	<i>1/10</i>	Shipping Ticket No: 8652-2184-558	
	Relinquished By: (2)	Date	Time	Received By:	Date	Time	Special Deliverable Requirements:	
	Relinquished By: (3)	Date	Time	Received By:	Date	Time	Special Instructions:	
	Relinquished By: (4)	Date	Time	Received By:	Date	Time	Requested Turnaround Time:	
							<input checked="" type="checkbox"/> RUSH <input type="checkbox"/> STD Date Needed _____	

O 200 W. Potter Drive **A**nchorage, AK 99518 **T**el: (907) 562-2343 **F**ax: (807) 561-5301
D 5500 Business Drive **W**ilmington, NC 28405 **T**el: (910) 350-1803 **F**ax: (910) 350-1557

1270 Greenbrier Street Charleston, WV 25311 Tel: (304) 346-0725 Fax: (304) 346-0786

White - Retained by Lab
Yellow - Returned with Report
Pink - Retained by Sheriff